

Better Entrances for  
Office  
Buildings  
by VAN KANNEL

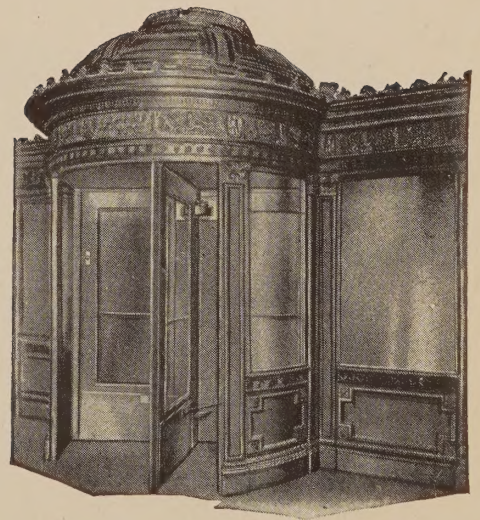




# BETTER ENTRANCES *for* OFFICE BUILDINGS

3

*by* VAN KANNEL



The keynote of an office building is the efficiency of its entrance, and revolving doors solve this problem.



Copyright, 1923  
VAN KANNEL REVOLVING  
DOOR COMPANY



# BETTER ENTRANCES *by Van Kannel*



BACK IN THE DARK AGES of prehistoric times man often lived in sheltered caves, we are told. To protect himself and his family from the elements and the wild beasts some sort of door was necessary for the entrance of his cave.

Think of the trouble the man of the Stone Age had in getting into his home, or his club, or the "village store"!

Think of having to roll aside a mammoth boulder in order to enter a "public institution" of those days!

Entrances have ever been a problem for man to solve. Door it is interesting to note, is the one word that remains practically the same in all of the Aryan languages.

One of the most primitive forms of a door—if such it can be called—was the bundles of furze which were used at the entrances to the crude huts of those early races residing on the Isle of Man. Furze was used because wood was so scarce on that island.

Nomadic tribes of early times secured a better form of entrance—for their purposes—when they began to hang a curtain of skin or cloth across the aperture used for an entrance to their tents.

In Syria, centuries ago, timber was scarce, as on the Isle of Man, and doors were made of stone.

Coming down to the days of written history we find recorded on the paintings in Egyptian tombs that they used single and double doors. In King Solomon's day the doors were made of olive wood, carved and overlaid with gold.

Strange to relate, no Grecian door has been preserved for the inspection of the modern man, but we learn from Homer that Grecian doors were cased in silver and brass.

Mythology does not make it clear, but either the Romans named their god Janus for the door (entrance), or the entrance (*janua*) for the god. The *entrance* month of our calendar year is called January for this reason.

The Romans had single, double and folding doors, however. The latter were connected by *hinges*, as excavations at Pompeii show.

BOULDER MAN'S  
FIRST DOOR

CRUDE HINGES  
INVENTED

The Metropolitan Building  
of St. Louis, Mo., improved  
their entrance by installing  
a revolving door

*Mauran, Russell & Crowell*  
Architects





REMOVABLE DOOR  
DISCOVERED

The charcoal burners—the early inhabitants of England—history tells us, made use of a movable board for a door. After the dweller had entered through a small opening, something like the modern Eskimo makes in his igloo of ice, the board was pulled over the entrance and fastened on the inside. Upon leaving the hut the dweller laid the movable “door” against a peg in the ground near the entrance.

Shortly after this the sliding door came into vogue. This moved in a groove, saved space, but was unwieldy in many ways. Therefore, for centuries, from medieval times down to 1890, innumerable doorways and entrances of beauty were built. Though lavish expenditures were made, no step was taken to improve the usefulness of the entrances to buildings.

IMPORTANCE OF  
ENTRANCE EARLY  
RECOGNIZED

The early hinges of leather, and later of crude wrought iron, were improved. New and superior pneumatic door checks were invented in more recent times. Still the object of *better entrances* was ever paramount but never accomplished until the latter part of the nineteenth century, as we shall explain shortly.

H. Tanner, Jr., in his learned treatise on the subject of entrances, published about the beginning of the present century, said: “In all ages we find . . . without looking so far back as the rock-cut dwelling or those primitive huts where the door was practically the only feature, a quite moderate knowledge of the early styles of architecture, such as Persian or Egyptian, will enable us to appreciate the extent to which the *entrance* was emphasized, while among the Greeks the vast porticos at the *entrance* were the chief beauties of the building.

EMULATING THE  
STONE AGE

“ . . . The Romans again . . . equally assiduous in accentuating the *entrances* . . . and so through the succeeding ages we find in all countries and styles of architecture, Classic, Byzantine, Gothic, Renaissance, *that the paramount importance of the entrance* is recognized above all other external features.”

Until recently the fact remained that many modern banks, hotels, apartments, restaurants, office buildings, stores, lunch rooms, hospitals, libraries, clubs and other public institutions asked modern man and woman to emulate the cave-dweller of early ages, rolling the mammoth boulder from before his door!



Many retail stores give an added service to their customers by making it easy to enter their establishments

Robert E. Kohn and  
Associates, Architects.



Frail women and weak men were asked to pull and push, tug and haul, to force open a door of a retail establishment in order that they might get within *and render a profit* to the owner!

Multitudes who had to visit one of America's most prominent municipal buildings found throughout the long winter months, at many of the entrances, the sign: "Closed." They had to scurry around the building to find a door which outside air pressure and elevator shaft suction would permit them to open!

*Workers in office buildings*, and visitors to those structures, found that as the buildings went *higher in the air*, the old-style swinging doors became harder and harder to open. Tests showed that it often required a fifty pound pressure to open such a door as compared with a mere five pounds on a Van Kannel *better entrance* door.

Banks, desiring good locations with a minimum of floor space, chose prominent business sites, but found the expensive floor space wasted by unsightly storm doors, or vestibules, with two sets of swinging doors.

Retailers found their trade suffering in two ways: Prospective customers avoided the hard-to-get-into stores. Corner locations brought additional crowds but added drafts, kept prospects out and made the clerks near the doors ill. Then dust and dirt blew through the old-style swinging door, ruining valuable fabrics.

Then, in 1890, came the big step towards BETTER ENTRANCES—Theophilus Van Kannel invented the REVOLVING DOOR.

That it was a BETTER entrance, listen to the romance of results:

During the War Period the United States Government ruled them an essential industry; the United States Fuel Administration found their installation made appreciable savings in coal. One office building saved 2½ tons of coal in a short three weeks.

An enormous retail establishment invested over \$50,000 to beautify their entrance, and then equipped it with swinging doors, which they had to discard within three weeks due to illness of clerks located near the doors. Van Kannel Revolving Doors corrected the difficulty.

Another prominent retailer in one winter season through increased sales traceable to counters adjacent to a better-equipped Van Kannel entrance paid for the cost of installing them.

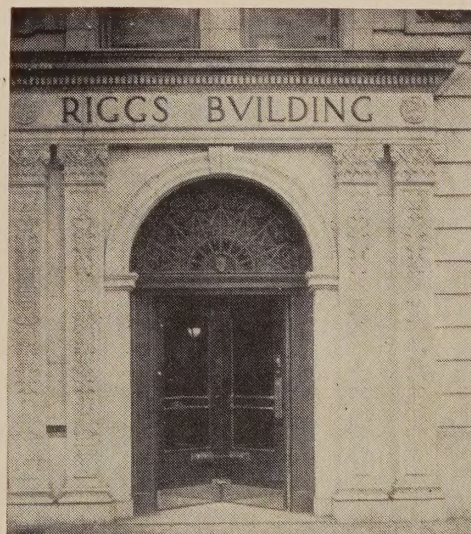
OUTSIDE  
AIR-PRESSURE

REVOLVING DOOR  
IS INVENTED

THE HIGH COST OF  
NOT HAVING

Note how effectively the revolving door installed in the Riggs Building, Washington, D. C., entrance harmonizes with the architectural design.

H. De Sibour, Architect





Hotels—in practically every large city in the world—have eliminated worry of cold lobbies, lobbies which drove their guests to their rooms in an endeavor to keep warm, by adding better entrances by Van Kannel.

BETTER ENTRANCES  
BECOME GENERAL

One restaurant by the use of additional tables made possible near the entrance through an installation of a Van Kannel door, paid for its cost in one night!

Hospitals no longer waste space near the entrance in order to provide equitable temperatures throughout.

Crowds no longer can become congested getting in or out of a building, for better entrances of revolving doors control the traffic, divide the incoming tide from the outgoing, and should a panic start, the doors collapse under pressure and permit of use of the full width of the entrance.

Modern man has become emancipated—through the use of better entrances he has found the way to better business; improved health; added capacity for handling crowds; better ventilation; economy of fuel; elimination of dust; saving of valuable floor space. Revolving doors are an advertising asset of the prestige building variety.

In the new International Dictionary under "Storm Doors," we find: "In modern buildings the necessity of storm doors is obviated . . . by the use of Van Kannel, or revolving doors; these consist of four leaves at right angles to each other, revolving on a pivot in a cylindrical enclosure."

NOW COMES THE  
"HOW" AND "WHY"

Read on and learn both the "how" and "why" of better entrances for office buildings, restaurants, banks, stores, and public buildings of all kinds, in a way which will interest you, whether you are Owner, Architect, Contractor, Manufacturer, Wholesaler, or Retailer.



Restaurants, clubs and cafes  
know from experience that  
an easily operated entrance  
is a better entrance.

*J. C. Westervelt, Architect*



# In the Mouths of Two or Three Witnesses Shall Every Word be Established

## —II. Corinthians

"Van Kannel door always gives the main entrance a fine appearance."

Hotel Alabama, Anniston, Ala.

APPEARANCE

"We have not had one slight mishap since installing Van Kannel's where with the old swinging doors minor injuries were quite frequent."

L. Klein, Chicago, Illinois.

DEPENDABILITY

"I have been using your Revolving Doors for at least twenty-five years in various types of buildings, such as hotels, office buildings, stores, Y. M. C. A.'s, etc., with a great deal of satisfaction in every case."

Clarence L. Harding, Architect, Washington, D. C.

DURABILITY

"For a great many years we have used the Van Kannel Revolving Doors and throughout have found them thoroughly efficient and satisfactory. At no time have we had difficulty with them. Once installed they practically take care of themselves."

Reisenweber's, New York, N. Y.

EASE OF OPERATION

"Find a saving during the winter months of from 15% to 25% in our fuel bills, which will more than pay for the doors in a few years to come."

Hotel Savannah, Savannah, Georgia.

ECONOMY OF FUEL

"The door not only saves a great deal of space, which is a great asset to a bank in small quarters, but it is also very advantageous in that during the winter we are able to keep the cold draft out."

Henderson National Bank, Henderson, Ky.

ECONOMY OF  
FLOOR SPACE

"Just like the telephones and automobiles, we could not get along without them."

The World Building, New York, N. Y.

INDISPENSABILITY

"This door has never given us the slightest trouble. It is always in perfect condition."

Wolf, Wile & Co., Lexington, Ky.

LOW UP-KEEP

"They have taken care of the traffic in and out of the building in a much more satisfactory manner than the old swinging doors."

Seventeenth Street Building Company, Denver, Colorado.

TRAFFIC CONTROL

"There is nothing equal to the Van Kannel revolving doors in the matter of service and the reduction of accidents to a minimum."

Hotel Virginia, Long Beach, California.

SAFETY—ELIMINA-  
TION OF ACCIDENTS

"We have about a hundred in use in our different restaurants throughout the country and do not believe we would care to be without them. There is always a sufficient amount of fresh air in the places where we have your doors installed, yet there is no draft."

Thompson's, Chicago, Ill.

VENTILATION—  
ELIMINATION OF  
DRAFTS

"We find them indispensable, more so, on account of having considerable wind at times and dust storms. Their worth is invaluable."

Store Department, Arizona Copper Company.

ELIMINATION  
OF DUST

"Before your door was installed we had a vestibule but no means that we tried were successful in keeping the cold out of our building during inclement weather. Since the installation of your door we have found it made a considerable difference in the temperature of our building and enables us to heat the building more properly."

Lincoln Hospital and Home, New York, N. Y.

MAINTENANCE  
OF EVEN  
TEMPERATURES

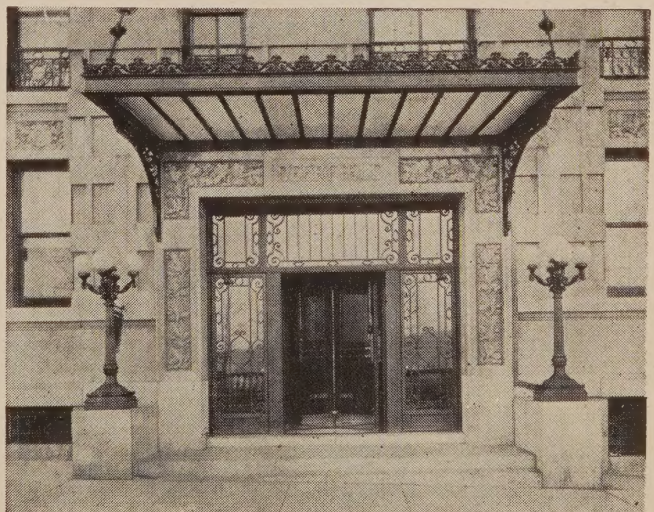
"Results obtained from their use very shortly eliminate question of cost."

Read Drug and Chemical Company, Baltimore, Md.

RESULTS AND  
COSTS

Hotels and apartment  
houses desiring to give their  
guests the best almost in-  
variably install revolv-  
ing doors.

George and Edward Blum,  
Architects.





# 101 WHO KNOW THAT VAN KAN

The few names listed here are selected from thousands of Van Kannel Door users in al

## BETTER I

### ARCHITECTS AND CONTRACTORS

A. C. Bossom, New York City  
W. L. Stoddard, New York City  
C. C. & E. A. Weber, Cincinnati, Ohio  
Graham, Anderson, Probst & White,  
Chicago, Ill.  
Holabird & Roche, Chicago, Ill.  
Richards, McCarty & Bulford, Colum-  
bus, Ohio  
Thomas M. James, Boston, Mass.  
Mauran, Russell & Crowell, St. Louis,  
Mo.

Horace Trumbauer, Philadelphia, Pa.  
Benno Janssen, Pittsburgh, Pa.  
Smith & May, Baltimore, Md.  
American National Bank, Austin, Texas  
Bankers Trust Co., New York, N. Y.  
Chase National Bank, New York, N. Y.  
Chemical National Bank, New York,  
N. Y.

### BANKS

Continental & Commercial Bank,  
Chicago, Ill.  
Dominion Bank, Toronto, Canada  
First Second National Bank, Akron,  
Ohio  
Florida National Bank, Jacksonville,  
Fla.

Fourth National Bank, Atlanta, Ga.  
Guaranty Trust Co., New York, N. Y.  
Hanover National Bank, New York,  
N. Y.

Mellon National Bank, Pittsburgh, Pa.  
Nippon Kogyo Bank, Tokio, Japan.  
Old Colony Trust Co., Boston, Mass.  
Ottawa Bank, Ottawa, Canada  
Royal Bank, Winnipeg, Canada  
Whitney Central Trust & Savings  
Bank, New Orleans, La.

### INSTITUTIONS AND PUBLIC BUILDINGS

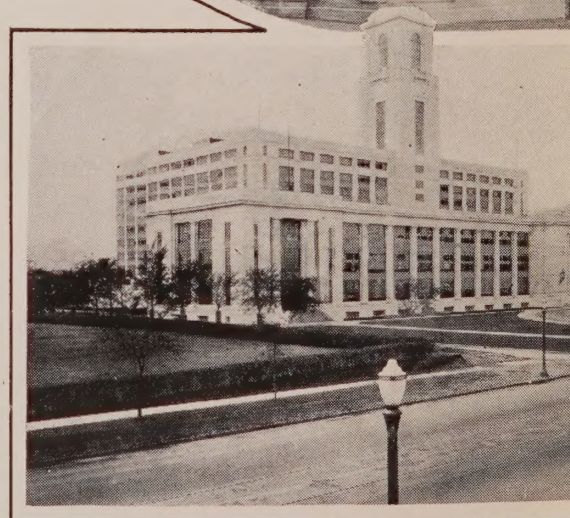
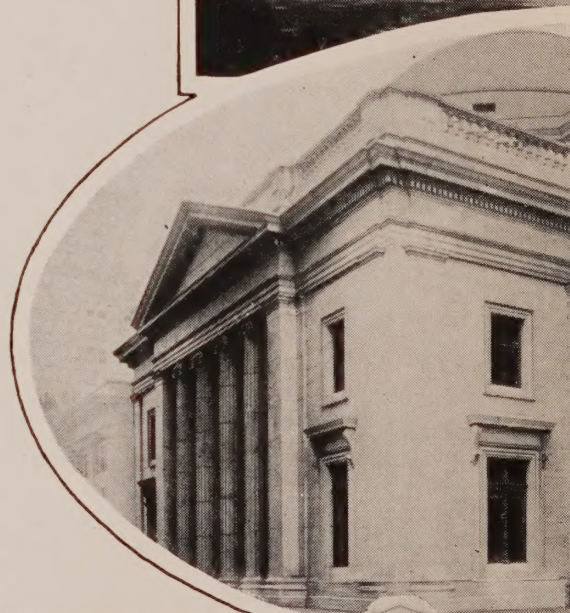
Boston City Club, Boston, Mass.  
Chicago Athletic Club, Chicago, Ill.  
City Hall, San Francisco, Cal.  
Cuyahoga County Court House, Clevel-  
land, Ohio

Detroit Athletic Club, Detroit, Mich.  
Duquesne Club, Pittsburgh, Pa.  
Harvard Club, New York, N. Y.  
Illinois Athletic Club, Chicago, Ill.  
Manufacturers' Club, Philadelphia, Pa.  
New York Athletic Club, New York,  
N. Y.

Nippon Yusen Kaisha Building, Tokio,  
Japan  
Pittsburgh Athletic Club, Pittsburgh,  
Pa.

Public Library, Cincinnati, Ohio.  
South Shore Country Club, Chicago, Ill.  
U. S. Capitol, Washington, D. C.  
West Side Y. M. C. A., New York, N. Y.  
Y. M. C. A., Minneapolis, Minn.  
Bienville Apartments, New Orleans, La.  
Broad Street Station, Pennsylvania  
Railroad, Philadelphia, Pa.  
Masonic Temple, Lima, Ohio  
St. Joseph Cathedral, Buffalo, N. Y.

Albert  
Randolph Ross  
*Architect.*



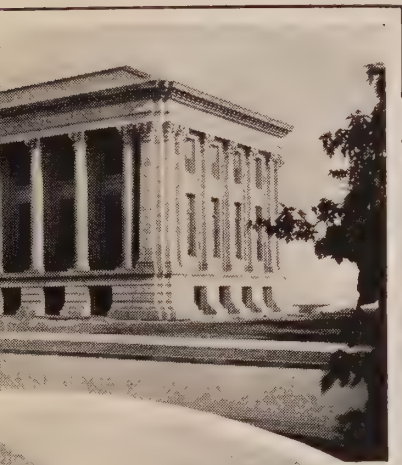
Montgomery Ward & Co.'s Beautiful  
Building at St. Paul, Minn., with three  
"Better Entrances" by Van Kannel.  
W. H. McCaulley, *Architect.*

Equitable Building, largest office building in  
world, completely equipped with Van Kannel  
E. R. Graham, *Architect.*



# EL MEANS *BETTER ENTRANCES*

parts of the world. Write direct and let one or more of these tell you what they think of  
ENTRANCES



Public  
Library,  
Denver,  
Colo.



Girard Trust  
Co., Phila. Pa.  
Furness, Evans  
& Co., Architects.



Brooklyn Daily Eagle, Brooklyn, N. Y.  
Clift Building, Salt Lake City, Utah  
C. P. R. Office Building, Toronto,  
Canada

## OFFICE BUILDINGS

DuPont Building, Wilmington, Del.  
Dollar Building, Shanghai, China.  
Edison Building, Chicago, Ill.  
Hudson Terminal Building, New York,  
N. Y.  
Mail & Empire Building, Montreal,  
Canada  
Munsey Building, Washington, D. C.  
New England Telephone & Telegraph  
Building, Boston, Mass.  
New York Stock Exchange, New York,  
N. Y.

Prudential Building, Newark, N. J.  
Singer Building, New York, N. Y.  
Travelers Insurance Co., Hartford,  
Conn.

U. S. Rubber Co., New York, N. Y.  
Widener Building, Philadelphia, Pa.  
Wells Fargo Bldg., San Francisco, Cal.

## RESTAURANTS AND HOTELS

Automat Restaurants  
Biltmore Hotel, New York, N. Y.  
Blackstone Hotel, Chicago, Ill.  
Cafe de l'Europe, Vienna, Austria  
Childs Restaurants  
Commodore Hotel, New York, N. Y.  
Copley Plaza Hotel, Boston, Mass.  
Delmonico Restaurant, New York, N. Y.  
McAlpin Hotel, New York, N. Y.  
McConkey's Restaurant, Toronto,  
Canada

Maxim's Restaurant, Paris, France  
O. Henry Hotel, Greensboro, N. C.  
Prince of Wales Hotel, Harrogate,  
England

Pullman Hotel, Hot Springs, Ark.  
St. Francis Hotel, San Francisco, Cal.  
Thompson Restaurants  
Thompson Spa, Boston, Mass.  
Tunisia Palace Hotel, Tunis, Africa  
Waldorf Lunch Rooms

## STORES

L. Bamberger & Co., Newark, N. J.  
Brandies Dept. Store, Omaha, Neb.  
Brentano's, New York, N. Y.  
Cammeyer's, New York, N. Y.  
L. S. Donaldson Co., Minneapolis, Minn.  
T. Eaton & Co., Winnipeg, Canada  
Filene's, Boston, Mass.  
Gimbel Bros., Milwaukee, Wis., and  
Philadelphia, Pa.  
J. L. Hudson Co., Detroit, Mich.  
Jordan Marsh Co., Boston, Mass.  
Rogers Peet Co. (5 stores), New York,  
N. Y.

Sellers Gough Store, Toronto, Canada  
Stewart & Co., Baltimore, Md.  
Tiffany & Co., New York, N. Y.  
United Cigar Store, New York, N. Y.  
John Wanamaker, New York, N. Y.  
Marshall Field & Co., Chicago, Ill.

(Over 50 doors)



# HOW TO MAKE YOUR ENTRANCE A BETTER ENTRANCE

The "Why" of better entrances you have read on the preceding pages. The remainder of this booklet on better entrances we shall devote to the "How" part of the story.

For centuries man was contented with the ordinary hinge entrance door, and now thirty-two years after their invention, the Van Kannel Revolving Doors will be found in every State in the Union, as well as in every prominent nation throughout the world.

## Size

Van Kannel Revolving Doors of the standard four-wing type are manufactured in sizes ranging from 5' 3" to 8' 0" in diameter and from 6' 6" to 8' 6" in height. The extremes in either case are not recommended; the most popular, as well as the most efficient size, is approximately 7' in diameter and 7' high. Owing to the fact that the connection between the revolving door enclosure and the building in which the door is to be placed may be made at any point on the circular enclosure, there is great flexibility in the size of door that may be used in any given opening. (See SERVICE, page 15.)

## 1192 Series

The 1192 series illustrated adjacent hereto show four standard designs of 4-wing doors, combinations of which are adaptable to almost any condition.

1192-1 has panelled enclosure and 2 $\frac{1}{4}$ " cornice.

1192-2 has glass in the enclosure and 2 $\frac{1}{4}$ " cornice.

1192-3 has panelled enclosure and 10 $\frac{1}{2}$ " cornice.

1192-4 has glass in the enclosure and 10 $\frac{1}{2}$ " cornice.

Van Kannel Revolving Doors of any of these designs may be made of any desired material and equipped with any of the various types of fixtures hereinafter described, such as Type "JC," Type "C," Type "N." (See pages 11 and 12.)



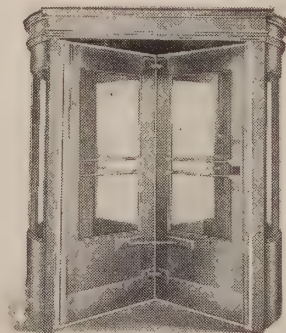
JC, Automatic Collapsible,  
Standard Design: 1192-1



JC, Automatic Collapsible,  
Standard Design: 1192-2



JC, Automatic Collapsible,  
Standard Design: 1192-3



JC, Automatic Collapsible,  
Standard Design: 1192-4



## Tests of Capacity

The following tabulation will give a very fair estimate of the capacity of revolving doors, which far surpass swinging door records. At the same time there was no loss of heat, and, consequently, money saved in the running expense of the buildings so equipped. Again, as the doors or wings were continually travelling in same direction as the traffic, either in or out, there was no stopping, collisions or interferences, as the crowds were separated.

Bank of Commerce Building, New York, N. Y. Diameter, 7 feet. Start 2.00 P. M. Finish 3.00 P. M. In 961, out 679.

American Tract Society Building, New York, N. Y. Diameter 7 feet. Start 2.00 P. M. Finish 3.00 P. M. In 533, out 516.

Manhattan Life Building, New York, N. Y. Diameter, 6 feet. Start 3.00 P. M. Finish 4.00 P. M. In 559, out 432.

Commercial Cable Building, Broad St., New York, N. Y. Diameter, 7 feet. Start 2.00 P. M. Finish 3.30 P. M. In 1,420, out 1,521. Start 2.00 P. M. Finish 3.00 P. M. In 1,018, out 1,034.

The record of this single Van Kannel Revolving Door shows that it has given service to over 50,000,000 persons since its installation:

## The Equitable Building Test

The Equitable Building uses sixteen Van Kannel Revolving Doors—ten in the main corridors, two in basement leading to subway and four in street entrances to banks and restaurants. The traffic in and out of the building between the hours of 8 A.M. and 6 P.M. is tabulated below and is based on an average day's record kept by the manager of the building. Including the corridor and subway doors only, this record was as follows:

Total number in.....	57,085
Total number out.....	54,961

Out of this total the three doors in the Broadway entrance—25 per cent. of the equipment—handled approximately 40 per cent. of the traffic, viz.:

In.....	22,646
Out.....	21,272

During the rush periods of the day the traffic through the Broadway entrance averaged between 40 and 50 persons per door per minute each way.

## FIXTURES Which Makes Van Kannel Doors BETTER ENTRANCES

### Van Kannel Automatic Collapsible Panic-proof Revolving Door—

#### Type "JC" Fixtures

The finest and most desirable BETTER ENTRANCE is the installation of the Van Kannel Revolving Door equipped with type "JC" fixtures. This type of fixture may be applied to any four-wing design of Van Kannel Revolving Door—made of any material.

The "JC" type automatically collapses in case of panic when the full width of exit room might be required.

The "JC" type permits the wings to be folded or moved to one side. (See page 13.)

For those who are interested in the mechanical operation of the "JC" type, let us say that the method of assembling this mechanism permits the wings to be collapsed on their hinges and revolve around the central shaft, assuming the positions as shown by illustrations, on page 13, where the wings are shown in their various positions.

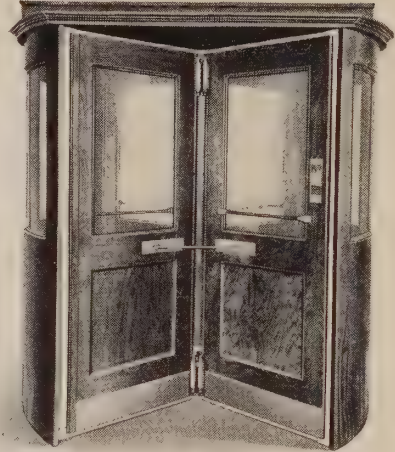
All parts are machined accurately with jigs, dies and templates, and are interchangeable.



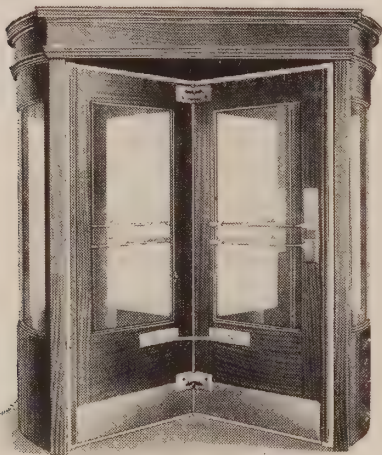
## Stock Types and Standard "C" Type Doors



Stock "Series" (Collapsible) Design: 2-S



Stock "VK" (Collapsible) Design: 6



Stock "Special" JC, Automatic Collapsible Hardware. Design: 1192-4



Type C, Rigid brace arm (Collapsible) Standard Design: 1192-4

### Type "C" Fixtures

This type of fixture (see illustration No. 4 above) may be applied to any four-wing design of Van Kannel Revolving Door, made of any material. The four wings are held in their revolving positions by means of two heavy metal drop-arm braces. When it is desired to fold wings on this type of door, it is only necessary to press a pawl, which releases the wing and permits it to swing and fold. By folding two of the wings the revolving doors may assume the positions shown by illustrations 2, 3 and 8 on page 13.

### Type "N" Fixtures

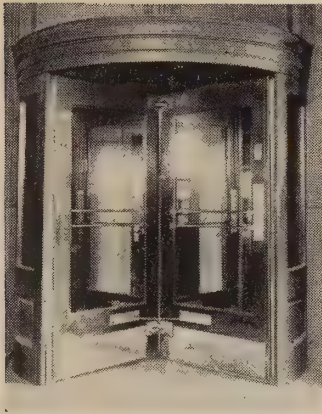
This type of fixture (see illustration No. 1 above) may be applied to any four-wing design of Van Kannel Revolving Door, made of any material. The four wings are held in their revolving position by means of metal brace arms in the form of hooks. When it is desired to fold the wings for any reason it is only necessary to unhook the brace arms and hook them back against the fixed wings, since all the four brace arms are attached to these wings by means of sockets. After the brace hooks are caught back, as above mentioned, the two hinged wings can be folded and the revolving door may assume the positions shown by illustrations 2, 3 and 8 on page 13.

### Three-wing Type for Small Entrances

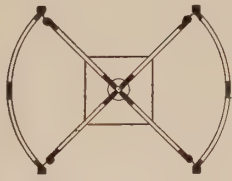
In addition to the four-wing Van Kannel Revolving Doors, described on the preceding pages, there is also manufactured a three-wing type of revolving door. This is convenient when space available will not allow of a larger vestibule.



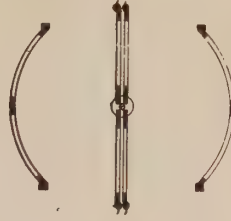
1



# Positions—Type "JC" Fixture Flexed Walls



Revolving position—  
JC type.

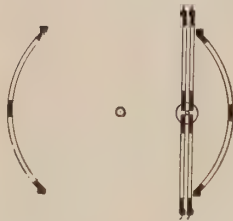
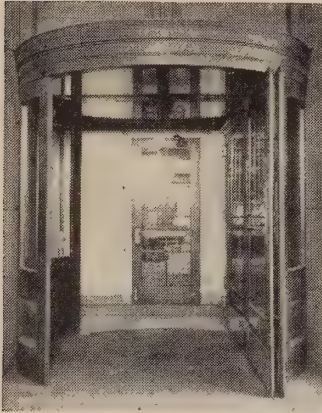


Central open position—  
JC type.

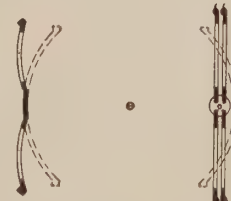
2



3

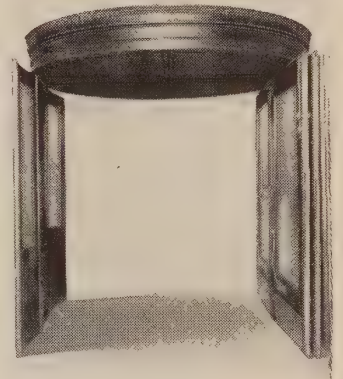


Full open position—  
JC type.

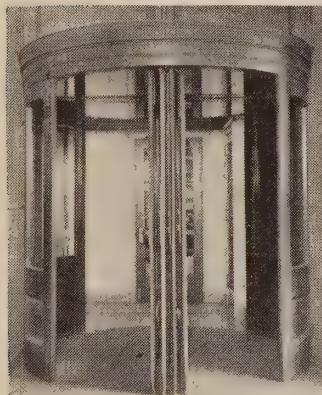


Full open position with  
flexed walls—JC type.

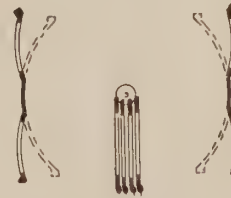
4



5



Panic collapsed posi-  
tion—JC type.

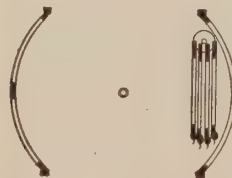
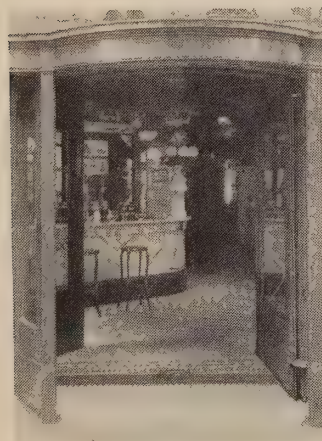


Panic collapsed position  
with flexed walls—JC  
type.

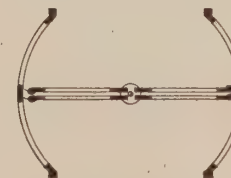
6



7



Full open position,  
wings folded within  
vestibule walls—JC  
type.



Locked position—JC  
type.

8





The dimensions required in width are from 4 feet 8 inches to 6 feet; height, 6 feet 6 inches to 7 feet 6 inches.

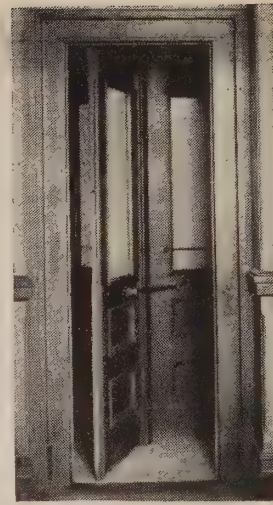
The capacity of the three-wing type of revolving door is substantially less than that of the four-wing type, but is greater than that of a single swinging door. In addition it affords all of the advantages of the always closed yet always open entrance. This type of door is manufactured in any of the materials heretofore described and in the same high grade manner.

There are two types of three-wing revolving door which we manufacture, type "MB" and type "MC."

Type "MB" three-wing revolving door has the three wings held in a rigid revolving position by rigid braces which do not allow the wings to be folded in the middle or to be moved to one side of the vestibule; this type merely acting on the ordinary turnstile principle.

Type "MC" three-wing revolving door is similar to type "MB" excepting that the wings are arranged by a series of hinges and hook braces so that the wings can be folded together in the middle for a third open position, central open position and also the wings moved to one side of the vestibule for a full open position when desired.

The illustration on this page shows one of the thirty-six three-wing type of revolving doors in use in the Prudential Life Insurance Company offices at Newark, N. J.



One of the 36 three-wing type revolving doors used by the Prudential Life Insurance Company at Newark, N. J.

## STANDARD EQUIPMENT

### Ball Bearing Hanger Makes Van Kannel Doors Better

It is interesting to note that one of the basic principles of that most modern adjunct to better entrances, Van Kannel Revolving Doors, is similar to that of ancient doors, namely, hung on a pivot. In the Van Kannel Revolving Door, however, the basic principle has, of course, been greatly improved. The revolving wings are hung from a self-oiling ball bearing carriage located in the ceiling chamber, and this carriage is so constructed that it can be released from its central position and moved to one side of the vestibule, by means of a lever controlled by a pivot lifter. The pivot lifter releases the lever holding the carriage in the ceiling chamber, and also raises the pivot in the floor socket in one operation, releasing the wings instantly.

### Air Lock—A Feature

Each wing of the revolving door is equipped with adjustable weather stripping at outer edge, top and bottom. The stripping at top is best quality extra heavy felt; stripping at outer edge is of specially moulded rubber, tipped with best quality heavy felt, stripping at bottom is plain flexible rubber. All corners of strips are properly joined together. The weather stripping gives the revolving door vestibule its air-locking properties within the circular vestibules, as two opposite wings are in contact with the enclosure at all times.

### Governing Device Another Improvement

The Governing Device is one of the many special features connected with the manufacturing and superior equipment of Van Kannel Revolving Doors, the only ideally equipped type of door in the world. The installation of a speed governing device does not



in any way interfere with the rotation of the wings, but simply controls the revolving wings and prevents spinning of the wings when a person goes through the vestibule in a great hurry.

All of the above-described fixtures are standard equipment on all types of Van Kannel Revolving Doors.

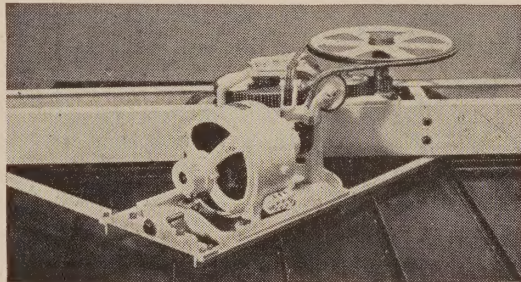
## SPECIAL FEATURES

### Flexed Walls

When connection with building is made at the center of the circular enclosure and it is desired to make the full width of the vestibule available for exit in case of emergency, each wall of the enclosure is made with two hinged sections, which are held in their closed position by bolts. These bolts are so applied that when the pressure between the walls or against the inside becomes unusual the walls flex or swing open into the position shown by illustrations 4 and 6 on page 13. This construction can be furnished with any TYPE of fixture.

### Electrifying the Door

Though a large number of the better entrances used in banks, hotels, office buildings, public institutions, restaurants, stores and the like, are propelled by those who enter, in many cases it has been found desirable to control the door by a motor. The accompanying illustration shows a close-up of the Van Kannel Motor Controlled Device.



Motor control device for Van Kannel Revolving Doors.

The mechanism is located in the ceiling chamber—the motive power being a  $\frac{1}{4}$  H. P. motor. The mechanical parts are arranged to be run at a speed of about 200 revolutions per minute, being furnished for 110, 115 or 220 volts, direct current. For alternating currents there are extra special mechanical attachments. The motor is so arranged that the wings may be constantly rotated, so that a door attendant may start the wings rotating by pushing a button when it is desired to have the wings revolve in order that people may pass through the vestibule. This device, illustrated and described herein, is especially adapted for doors installed in hotels and department stores.

A design of electrically controlled door is also furnished wherein flexible push plates are used which when depressed by the person using the revolving door complete the circuit on the motor.

### Automatic Burglar Lock

In Van Kannel Doors, exclusively, you can get an automatic, electrically controlled burglar lock which is a gravity lock located in the ceiling chamber of the revolving door vestibule. Two locks are located on the quarter line which is inside the vestibule opening into the building. This electrical device is controlled by a solenoid which holds the gravity in position. As many stations as may be desired can be located throughout the banking quarters or building which will connect with and control this burglar lock, instantly locking the door by the pressure of a button.

## SERVICE

### Service to Owners

The Van Kannel Revolving Door Co. is prepared to survey the entrance of any building and to make plans, write specifications and design doors which will be in architectural keeping with the



building. We will make suggestions as to type of construction and materials or will submit prices for any materials which may be desired. No charges are made for this service.

#### **Service to Architects**

The Van Kannel Revolving Door Co. maintains an efficient drafting room which is at the disposal of architects. We are in a position to submit detailed plans and specifications covering any type or form of construction of Revolving Doors desired. We are also prepared to send experts to interview architects and help them to make Revolving Door layouts which will harmonize with their projects. There is no charge for this service.

#### **Nation Wide Sales Service**

The country-wide service and sales staff of the Van Kannel organization insures prompt attention to clients' inquiries and the personal services of a representative of the Company.

#### **Dependability**

It has been aptly said—"First you build—then you simplify." Thirty years' experience in the manufacture of Revolving Doors guarantees the purchaser of a Van Kannel Door the utmost in simplicity and dependability.

### **EXCLUSIVE VAN KANNEL FEATURES**

#### **Burglar Lock**

Automatic burglar locks are found exclusively on Van Kannel doors. These are electrically controlled and may therefore be actuated from any part of the building, insuring the instantaneous locking of all exit doors. (See detailed description on page 15.)

#### **Speed Control**

The speed at which a Van Kannel Door may revolve is limited to a normal rate and controlled by an exclusive Van Kannel feature.

### **WHAT YOU SHOULD DO TO HAVE A BETTER ENTRANCE**

#### **Write Right Now**

Now that you have read the "why" and "how" of Better Entrances as exemplified by VAN KANNEL REVOLVING DOORS, let us close with the next step: "What" you should do to obtain this better entrance.

You will find enclosed a preliminary data card which asks eight simple questions. These properly answered and sent in will permit us to give you an idea of what a Van Kannel Revolving Door or Doors will do towards solving your entrance problem and we will furnish our suggestions *without charge or obligation to you*.

Or, if you prefer, you need not bother to fill in the data sheet but merely write us: "Tell us how you can give us a better entrance for use in a \_\_\_\_\_."

State type of building

**VAN KANNEL  
REVOLVING DOOR  
Co.**

250 West 54th Street

New York, N. Y.

Represented in Principal Cities









In each of the principal cities throughout the United States there is a representative of the Van Kannel Revolving Door Co. Look for "Van Kannel" in your telephone directory or write to 250 West 54th Street, New York, N. Y.